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PTO/SB/08A (10-96)

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/716,323
				Filing Date	November 18, 2003
				First Named Inventor	LEE, Chien-Hsiung
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	1970-4

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature		Date Considered	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.  
**DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



NOTE: "An information disclosure statement shall be considered by the Office if filed by the applicant:

- (1) Within three months of the filing date of a national application;
- (2) Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or
- (3) Before the mailing date of a first Office action on the merits, whichever event occurs last."

37 C.F.R. § 1.97(b).

NOTE: "Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section." 37 C.F.R. § 1.56(a).  
"Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) each inventor named in the application;
- (2) each attorney or agent who prepares or prosecutes the application; and
- (3) every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application." 37 C.F.R. § 1.56(c).

NOTE: The "duty as described in § 1.56 will be met so long as the information in question was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98 before issuance of the patent." Notice of January 9, 1992, 1135 O.G. 13 -25 at 17.

WARNING: "No information disclosure statement may be filed in a provisional application." 37 C.F.R. § 1.51(b).

### List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

(check sections forming a part of this statement: discard unused sections and number pages consecutively)

1.  Preliminary Statements
2.  FORMS PTO/SB/08A and 08B (formerly FORM PTO-1449)
3.  Statement as to Information Not Found in Patents or Publications
4.  Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
5.  Cumulative Patents or Publications
6.  Copies of Listed Information Items Accompanying This Statement
7.  Concise Explanation of Non-English Language Listed Information Items
  - 7A.  EPO Search Report
  - 7B.  English Language Version of EPO Search Report
8.  Translation(s) of Non-English Language Documents
9.  Concise Explanation of English Language Listed Information Items (Optional)
10.  Identification of Person(s) Making This Information Disclosure Statement

(complete the following, if appropriate)

Sections

, respectively, have been continued on ADDED PAGE(S).

NOTE: "Once the minimum requirements are met, the examiner has an obligation to consider the information." Notice of April 20, 1992 (1138 O.G. 37-41, 37).

## **Section 1. Preliminary statements**

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against Interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.



APR 08 2004

## Section 6. Copies of Listed Information Items Accompanying This Statement

**NOTE:** 37 C.F.R. 1.98(a)(2) requires that any information disclosure statement filed under § 1.97 shall include: "A legible copy of: (i) Each U.S. and foreign patent; (ii) Each publication or that portion which caused it to be listed; and (iii) All other information or that portion which caused it to be listed, except that no copy of a U.S. patent application need be included . . . ."

**NOTE:** The wording in § 1.98(a)(2)(iii) makes it clear that the requirement to submit a copy of each item of information listed in an information disclosure statement does not apply to the citation of a U.S. patent application. Notice of January 9, 1992, 1135 O.G. 13-25, at 14.

Legible copies of all items listed in Forms PTO/SB/08A and 08B (formerly Form PTO-1449) accompany this information statement.

(complete the following, if applicable)

Exception(s) to above:

- Items in prior application, from which an earlier filing date is claimed for this application, as identified in Section 4.
- Cumulative patents or publications identified in Section 5.

**Section 9. Concise Explanation of English Language Listed Information  
Items (OPTIONAL)**

**NOTE:** "Applicants may, if they wish, provide a concise explanation of why English-language information is being submitted and how it is understood to be relevant. Concise explanations are helpful to the Office, particularly where documents are lengthy and complex and applicant is aware of a section that is highly relevant to patentability or where a large number of documents are submitted and applicant is aware that one or more are highly relevant to patentability." Notice of April 20, 1992 (1138 O.G. 37-41, 38).



U.S. Patent No. 4,418,618, issued on December 6, 1983 to Huggins et al., teaches a printing apparatus composed essentially of molded plastics material which has relatively few parts, is easy to manufacture and maintain, and is lightweight and portable. The apparatus is illustrated as being of the table top type which can print both standard type tags and labels, string tags and pin tickets. The apparatus has a print head operable in conjunction with an impression control device, a feed finger assembly with a registration adjustment, a simple drive arrangement operated by a cam with a single cam path, and a reel positionable at different attitudes, and the construction of the apparatus is readily adaptable to both manually operated and motorized versions.

U.S. Patent No. 4,373,573, issued on February 15, 1983 to Madwed, proposes a method and system for the passive solar energy induced storage and use of thermal energy at both high and low temperatures, comprising a collector communicating with the atmosphere for collecting air acting as a carrier for thermal energy, an underground thermal storage reservoir having a capacity sufficient to store thermal energy for substantially an entire heating or cooling season, and a solar chimney providing convection means for at least in part inducing the natural circulation of air from the atmosphere into the collector into and through the thermal storage reservoir, and outwardly from the reservoir back into the atmosphere, to transfer thermal energy between the collector and the reservoir.

**Section 10. Identification of Person(s) Making This Information Disclosure Statement**

The person making this statement is

(check each applicable item)

(a)  the inventor(s) who signs below

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SIGNATURE OF INVENTOR

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(type name of inventor who is signing)

(b)  an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c))

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SIGNATURE OF INVENTOR

---

(type name of inventor who is signing)

(c)  the practitioner who signs below on the basis of the information:

(check each applicable item)

supplied by the inventor(s).  
 supplied by an individual associated with the filing and prosecution of this application. (37 C.F.R. § 1.56(c))  
 in the practitioner's file.

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SIGNATURE OF PRACTITIONER

John S. Egbert

---

(type or print name of practitioner)

Harrison & Egbert

412 Main St., 7th Floor

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